

IMPOSING AND RECOVERING CORRELITHM OBJECTS IN CONJUNCTION  
WITH TABLE LOOKUP

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ABSTRACT OF THE DISCLOSURE

Encoding bits includes receiving a bit set to encode. An encoding lookup table associates correlithm objects of a space with bit sets. The space refers to an N-dimensional space, a correlithm object refers to a point of the space. The correlithm object corresponding to the received bit set is identified. The received bit set is encoded as the identified correlithm object. The identified correlithm object is imposed to encode the received bit set and subsequently decoded with table lookup using the reverse process.